BRUHAT BANGALORE MAHANAGARA PALIKE
YELAHANKA ZONE

Name of work: Estimate for Construction of Toilet Blocks at Burial Ground opp Reliance Fresh and Demolision of old school Building at Ramachandrapura in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.

			Estimate Cost Rs.					1500000.00	
Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRB 2-1.1 : Earth work in surface excavation in **Ordinary soil** for levelling and lowering the ground manually (other than foundation of buildings, culverts, road, drains and trenches of pipes lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m excavated surface levelled and neatly dressed earth to be levelled after breaking of clods and neatly dressed as per specifications specification No KBS 2.1(a) / 2.3.1 **PWD SR 2014-15 (P.5 / I. 2.1)**	Cum							
			1	11.00	5.00	0.30	16.50		
							16.50	144.16	**2379.00**
	Basic Rate	136.00							
	Area Weightage @ 6%	8.16							
	Total	**144.16**							
2	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m. In depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. after breaking of clods complete as per specifications. Specification. No. KBS 2.1(b) / 2.3.5 **PWD SR 2014-15 (I.5/2.4)**	Cum							
	Toilet Block		1	41.78	1.00	0.90	37.60		
	Columns		10	1.50	1.50	1.20	27.00		
							64.60		
	Deduction for Columns		10	1.20	0.75	0.75	**-6.75**		
							57.85	259.70	**15024.00**
	Basic Rate	245.00							
	Area Weightage @ 6%	14.70							
	Total	**259.70**							
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **No. 12/ Item No. 4.3/ PWD SR 2014-15**	Cum							
	Centreline		1	41.78	0.90	0.15	5.64		
	Columns		10	1.50	1.50	0.15	3.38		
							9.02		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Deductions for Columns		10	1.20	0.75	0.15	**-1.35**		
							7.67	4757.28	**36466.00**
	Basic Rate	4488.00							
	Area Weightage @ 6%	269.28							
	Total	**4757.28**							
4	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in **foundation with cement mortar 1:6**, stone hammered dressed in courses not less than 20 cms high, bond stones, at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 **PWD SR 2014-15 (P. 23 / I. 5.6)**	Cum							
			1	41.78	0.75	0.45	14.10		
			1	41.78	0.60	0.45	11.28		
							25.38		
	Deduction for Columns		10	1.20	0.75	0.90	-8.10		
							17.28	3610.36	**62392.00**
	Basic Rate	3406.00							
	Area Weightage @ 6%	204.36							
	Total	**3610.36**							
5	KSRB 5.3-3 : Providing and constructing granite / trap / basalt size stone masonry in **basement** with **cement mortar 1:6**, edges of stone chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specification. KBS 5.1.13 **(P.23 / I. 5.9) PWD SR 2014-15**	Cum							
			1	41.78	0.45	0.45	8.46		
	Dedution For Columns		10	0.45	0.23	0.45	-0.47		
							7.99	4458.36	**35643.00**
	Basic Rate	4206.00							
	Area Weightage @ 6%	252.36							
	Total	**4458.36**							
6	KSRB 2.3 : Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification No. KBS 2.9 **(P.6/I.2.10) PWD SR 2014-15**	Cum							
			Qty Vide Item No. 2				**57.85**	116.60	**6746.00**
	Basic Rate	110.00							
	Area Weightage @ 6%	6.60							
	Total	**116.60**							
7	KSRB 15.1.3: Providing ruled pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. **Page No. 109 / Item No. 15.3 / PWD SR 2014-15**	Sqm							
			1	41.78		0.45	18.80		
							18.80	91.16	**1714.00**
	Basic Rate	86.00							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Area Weightage @ 6%	5.16							
	Total	**91.16**							
8	KSRB 6-5.3 : Providing and constructing burnt brick masonry with approved quality of modular bricks of standard size of **class designation 50 (table moulded) with cement mortar 1:6 for basement and superstructure** including cost of materials, labour charges, scaffolding, curing complete as per specifications. Specification No. KBS 6.2 **Page No. 27 / Item No. 6.17 / PWD SR 2014-15**	Cum							
	Long Wall		2	10.81	0.23	3.00	14.92		
	Short Wall		3	2.93	0.23	3.00	6.07		
	Inside Wall		4	1.20	0.23	3.00	3.31		
			2	4.06	0.23	3.00	5.60		
	Parapet Wall		2	10.81	0.23	0.45	2.24		
			2	2.93	0.23	0.45	0.61		
							32.74		
	Deduct for Openings Door		2	0.90	0.23	2.10	0.87		
	D1		6	0.75	0.23	2.10	2.17		
	V		12	0.60	0.23	0.45	0.75		
	Lintel		1	41.78	0.23	0.15	1.44		
							5.23		
							27.51	6346.22	**174600.00**
	Basic Rate	5987.00							
	Area Weightage @ 6%	359.22							
	Total	**6346.22**							
9	KSRB 4.2.2 : Providing and laying in position **reinforced cement concrete of design mix M20 with OPC cement @ 320 Kgs with 20mm** and down size graded granite metal coarse aggregates @ 0.878cum and fine aggregates @ 0.459 cum wuth superplastisier @ 3lts confirming to IS 9103-1999 reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works **in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, wall** (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.6 **Page No. 13 / Item No. 4.11 PWD SR - 2014-15**	Cum							
	Column Footings		10	1.20	1.20	0.80	11.52		
	Plinth to Roof		10	0.45	0.23	3.60	3.73		
	Plinth		1	41.78	0.45	0.15	2.82		
	Lintel		1	41.78	0.23	0.15	1.44		
	Roof Slab		1	10.81	4.00	0.15	6.49		
							25.99	5952.96	**154739.00**
	Basic Rate	5616.00							
	Area Weightage @ 6%	336.96							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Total	**5952.96**							
10	KSRB 4.2.10 : Providing and laying in position reinforced cement concrete ofmix M20 with OPC cement @ 24kgs, with 12 mm and down size graded granite metal coarse aggregates @ 0.5175 cum and fine aggregates @ 0.345 cum with superplastisiser @ 0.225lts,machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor lever, including cost of all materials, labour, HOM of machinery, curing, complete as per specification. Specification NO. KBS 4.1, 4.6 **Page No. 14 / Item No. 4.19 / PWD SR 2014-15**	Sqm							
	W		6	0.60	0.45		1.62		
	D		2	1.20	0.45		1.08		
							2.70	449.44	**1213.00**
	Basic Rate	424.00							
	Area Weightage @ 6%	25.44							
	Total	**449.44**							
11	KSRB 4.9.1: Providing **mild steel reinforcement for R.C.C** work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 **Page No. 17 / Item No. 4.45 PWD SR 2014-15**	Qntl							
	For Roof, Columns Beams @ 125 Kg / Cum		1.25	25.99			32.49		
	Chajjas @ 7.5 Kg / Cum		0.075	0.23			0.02		
							32.51	7828.10	**254485.00**
	Basic Rate	7385.00							
	Area Weightage @ 6%	443.10							
	Total	**7828.10**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
12	KSRB 10-2: Providing and laying integral cement based waterproofing treatment including preparation of surface as required for treatment of roofs, balconies, terraces etc, consisting of following application. (a) Applying and grouting a slurry coat of neat cement using 2.75kg/sqm conforming admixed with proprietary water proofing compound conforming to IS:2645 over the RCC slab after cleaning the surface before treatment, (b) laying cement concrete using broken brick bats 25mm to 100mm size with 50% of cement mortar 1:5 admixed with proprietary water proofing compound conforming IS:2645 over 20mm thick layer of cement layer of cement mortar 1:5 admixed with proprietary water proofing compound to required slope and treating similarly the adjoining walls upto 300mm height including rounding off junction of walls and slabs, (c) after two days of proper curing, applying a second coat of cement lurry admixed with proprietary water proofing compound (d) Finishing the surface with 20mm thick jointless cement mo2014-15 mix 1:4 admixed with proprietary water proofing compound and finally finishing the surface with trowel and neat cement slurry and making of 3000x300mm	Sqm							
	Roof Top		1	10.81	4.00		43.24		
							43.24	859.66	**37172.00**
	Basic Rate	811.00							
	Area Weightage @ 6%	48.66							
	Total	**859.66**							
13	KSRB 15.3.13 : Providing 12mm thick cement plaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 110 / Item No. 15.21 / PWD SR -2014-15**	Sqm							
			6	1.20	1.20		8.64		
			2	4.60	1.50		13.80		
							22.44	183.38	**4115.00**
	Basic Rate	173.00							
	Area Weightage @ 6%	10.38							
	Total	**183.38**							
14	KSRB 15.3.11 :Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. **Page No. 110 / Item No. 15.19 / PWD SR 2014-15 (Inside wall)**	Sqm							
	Inside wall		4	2.93	3.00		35.16		
			1	7.20	3.00		21.60		
			1	10.35	3.00		31.05		
			8	1.20	2.10		20.16		
							107.97		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Deductions - For door Doors		2x0.5	0.90		2.10	1.89		
	Door 1		6	0.75		2.10	9.45		
	Ventilator		12x0.5	0.60		0.45	1.62		
							12.96		
							95.01	222.60	**21149.00**
	Basic Rate	210.00							
	Area Weightage @ 6%	12.60							
	Total	**222.60**							
15	KSRB 15-7 : Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. **(P. 111 / I. 15.33 PWD SR - 2014-15).**	Sqm							
			Qty Vide Item No. 14+15				**117.45**	21.20	**2490.00**
	Basic Rate	20.00							
	Area Weightage @ 6%	1.20							
	Total	**21.20**							
16	KSRB 15.3.9: Providing 18mm thick cement plaster in single coat with cement mortar 1:6, to brick masonry including rounding off corners wherever required smooth rendering, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications **Page No. 110 / Item No. 15.17 / PWD SR 2014-15 (Out side Wall)**	Sqm							
	Out Side		2	10.81		4.13	89.29		
			2	3.39		4.13	28.00		
							117.29		
	Deductions for Door		2x0.5	0.90		2.10	1.89		
	V		12x0.5	0.60		0.45	1.62		
							3.51		
							113.78	185.50	**21107.00**
	Basic Rate	175.00							
	Area Weightage @ 6%	10.50							
	Total	**185.50**							
17	KSRB 4-1.3 : Providing and laying in position plain cement concrete of **mix 1:4:8 with OPC cement @ 180 kgs with 40mm** and down size graded granite metal coarse aggregates @ 0.85cum and fine aggregares @ 0.57 cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2. **Page No. 12 / Item No. 4.3 / PWD SR 2014-15**	Cum							
	Toilet 1		3	1.20	1.20	0.15	0.65		
			1	4.06	1.50	0.15	0.91		
	Toilet 2		3	1.20	1.20	0.15	0.65		
			1	4.06	1.50	0.15	0.91		
							3.12	4757.28	**14857.00**
	Basic Rate	4488.00							
	Area Weightage @ 6%	269.28							
	Total	**4757.28**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
18	KSRB 14.14-5: Providing Ceramic tiles of size 15 x 15 cms 6mm thick approved make, shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment, including cost of materials, labour, curing, complete as per specifications. **Page No. 102 / Item No. 14.36 / PWD SR 2014-15**	Sqm							
	Toilet 1		3	1.20	2.10		7.56		
			1	4.06	1.50		6.09		
	Toilet 2		3	1.20	2.10		7.56		
			1	4.06	1.50		6.09		
							27.30	888.28	**24250.00**
	Basic Rate	838.00							
	Area Weightage @ 6%	50.28							
	Total	**888.28**							
19	KSRB 14.17.1: Providing skirting, dado, rises of steps with Colour glazed tiles 15x15 cms 6mm thick on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface white should be measured and paid separately) using glazed tiles of approved make and size of materials, labour, complete as per specifications. Specification No. KBS 14.17. **Page No. 103 Item No. 14.41.1 / PWD SR 2014-15**	Sqm							
	Wall Sides		4x6	1.20	2.10		60.48		
			2	4.06	2.10		17.05		
							77.53		
	Deduction		6	0.75	2.10		9.45		
							68.08	998.52	**67981.00**
	Basic Rate	942.00							
	Area Weightage @ 6%	56.52							
	Total	**998.52**							
20	KSRB 4-6.2 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, **roofs**, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 **(P.15 / I. 4.29.2) PWD SR 2014-15**	Sqm							
	Roof		1	10.35	4.00		41.40		
							41.40	561.80	**23259.00**
	Basic Rate	530.00							
	Area Weightage @ 6%	31.80							
	Total	**561.80**							
21	KSRB 4-6.10 : Providing and removing centering, shuttering, strutting, propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 **Page No. 16 / Item No. 4.37 / PWD SR 2014-15**	Sqm							
			6	0.60	0.45		1.62		

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			2	1.20	0.45		1.08		
							2.70	265.00	**716.00**
	Basic Rate	250.00							
	Area Weightage @ 6%	15.00							
	Total	**265.00**							
22	KSRB 4-6.1 : Providing and **removing centering, shuttering, strutting, propping etc.,** and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification NO. KBS 4.6.2 **Page No. 15 / Item No. 4.28 / PWD SR 2014-15**	Sqm							
	Column		6	1.35		4.00	32.40		
	Plinth		2	41.78		0.15	12.53		
	Lintel		2	41.78		0.15	12.53		
							57.47	232.14	**13341.00**
	Basic Rate	219.00							
	Area Weightage @ 6%	13.14							
	Total	**232.14**							
23	Supply and fixing pressed steel door frames size 125x65 mm manufacture from 1.25mm thick carbon steel or imported steel strips with mitred joints of 900 for door openings and sutters made out of seasoned honne wood, styles of 30mm, thick with lock rail of 160mm, width, top and side rails of 100mm, width width and bottom rails of 250 mm width and panel filling with 12mm thick particle board of exterior grade bonded with phenol formal dehide resin and the shutter shall be not proof, vermin proof, heat resistant guaranteed against shrinkage, warpage and such other defects for a period of 3 years, this shall be as per approved drawings, specification and direction including cost of conveyance, manufacturing, painting wit enamel paint 2 coats over primer coat, cost of labour for all items of work, machinery, equipment and all other incidental charges with all lead, lift, loading and unloading etc, complete the hollow portion of the frame to be filled with cement concrete1:2:4. **Page**	Sqm							
	Horizontal		2	0.90		2.10	3.78		
							3.78	3710.00	**14024.00**
	Basic Rate	3500.00							
	Area Weightage @ 6%	210.00							
	Total	**3710.00**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
24	KSRB 7.12: Providing and fixing in position anodized aluminium windows and ventilators as per approved drawings with sliding shutters using four track window frame of size 122.2x31.75mm for bottom section 1.1mm thick, weight 1.205kg/m; sides and top section 1.2mm. thick weight 1.093mmkg/m; shutter section comprising top and bottom section of size 40mmx18mm wall thickness 1.25mm. weight 0.417kg/m, shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417kg/m,shutter interlock section 40mmx26.7mm. wall thickness 1.1mm.weight 0.469kg/m; shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc ; providing and fixing 5.5mm, thick plain glass for shutters fitted with rubber beading all aluminium section anodised 12 to 15 microns,thick including cutting to required length, joints mitred subdividing the frame tenonned and riveted in the assembled frame stiffened with end clops at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul	Sqm							
	V		12	0.45		0.60	3.24		
							3.24	3561.60	**11540.00**
	Basic Rate	3360.00							
	Area Weightage @ 6%	201.60							
	Total	**3561.60**							
25	Providing & fixing factory made PVC Door frame of size 50x47 mm with a wall thickness of 5mm, made out of extruded 7mm rigid PVC foam sheet metered cut at corners & jointed 2No.s of 150mm long brackets of 15x15 mm M.S. Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufactures specification & direction of Engineer-in charge **Page No. 57 / Item No. 9.84 / PWD SR 2014-15 SOLID PVC DOOR FRAME**	Sqm							
			6	0.75		2.10	9.45		
							9.45	550.14	**5199.00**
	Basic Rate	519.00							
	Area Weightage @ 6%	31.14							
	Total	**550.14**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
26	SOLID PANEL PVC DOOR SHUTTER Providing and fixing 30 mm thick factorily made rigid foam panelled door shutters made from M.S Tuvbe of 19 gauge thickeness size 19x19 mm tro styles and 15x15mm for top and bottom rails, coverted with heat moulded PVC channel of 5 mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rails & bottom rail panelling of 5 mm thick 20mm wide PVC sheet fittled in te M.S Frame sealed to the styless & rails with 5 x 30mm PVC sheet beading on ewither sides & joined together with solvent cement adhesive etc., complete as per manufactures specification & direction of Engineer - in charge fixed to frames with 3 nos, of 75mm Aluminium hinges **Page No. 57 / Item No. 8.83 / PWD 2014-15**	Sqm							
			6	0.75		2.10	9.45		
							9.45	3357.02	**31724.00**
	Basic Rate	3167.00							
	Area Weightage @ 6%	190.02							
	Total	**3357.02**							
27	KSRB 15-14.1 : Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after thoroughly brooming the surface free from mortar drops and other foregin matter including preparing the surface even and sand paper smooth, cost of materials, labours, complete as per specifications **PWD SR 2014-15 (P.113 /I. 15.49.1)**	Sqm							
		Qty Vide Item No.13+14					117.45		
							117.45	65.72	**7719.00**
	Basic Rate	62.00							
	Area Weightage @ 6%	3.72							
	Total	**65.72**							
28	KSRB 15-16.1: providing and finishing external walls in tow coats with water proof cement paint of approve brand and shade to give an even shade after thourghly brooming the surface to remove all dirt and losse powdered material, free from mortar dops and other foreign matter cost of materials, labours, complete as per specifications **PWD SR 2014-15 (P. 113 / I. 15.53.2) with Primer**	Cum							
			Qty Vide Item No.16				113.78		
							113.78	79.50	**9046.00**
	Basic Rate	75.00							
	Area Weightage @ 6%	4.50							
	Total	**79.50**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
29	KSRRB M200-12.3: Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T & P and scaffolding wherever necessary, sorting the dismantled materials, disposal of unserviceable material and stacking the serviceable material with all lifts and lead and lead of 10000 meters complete as per specifications. - c. prestressed / reinforced cement concrete grade M-20 & above, **No. 133 / Item No. 18.19 / PWD SR 2014-15**	Cum							
	Ramachandrapura School		2	13.50	7.30	0.30	59.13		
	Walls		2	13.50	0.45	3.50	42.53		
			3	5.60	0.45	3.50	26.46		
	Doddabommasandra School		2	4.50	4.50	0.60	24.30		
			3	4.50	0.23	3.00	9.32		
			2	4.50	0.23	3.00	6.21		
			5	1.50	0.60	0.20	0.90		
	Pillars		5	0.45	0.45	3.30	3.34		
	Beams		3	13.50	0.23	0.30	2.79		
			5	1.70	0.23	0.30	0.59		
	Toilet		2	10.00	7.00	0.20	28.00		
			2	10.00	0.23	2.50	11.50		
			2	7.00	0.23	2.50	8.05		
	Anganavadi Building		3	7.50	5.00	0.20	22.50		
			3	7.50	0.23	3.00	15.53		
			4	5.00	0.23	3.00	13.80		
							274.94		
	Deductions								
	Doors		2	0.90	0.45	2.10	-1.70		
			2	0.90	0.23	2.10	-0.87		
	Windows		4	0.90	0.45	0.75	-1.22		
			2	0.60	0.23	0.60	-0.17		
							-3.95		
							270.99	954.72	**258716.00**
	Basic Rate	884.00							
	Area Weightage @8%	70.72							
	Total	**954.72**							
	PART - 2 SANITARY								
30	KSRB 11-2 : Providing and fixing white vitreous china clay, water closets Orissa pattern of size 580 x 440mm with integral type footrests, 100m S or P trap, 10 litre low level, P. V. C. flushing cistern (all are approved make) with fittings, C.I. / M.S. brackets, 32mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS **Page No. 74 / Item No. 12.2 PWD SR 2014-15**	Pan							
			6				**6.00**	4523.02	**27138.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Basic Rate	4267.00							
	Area Weightage @ 6%	256.02							
	Total	**4523.02**							
31	KSRB 11.8.1 : Providing and fixing white vitreous china clay, wall corner type lipped front urinal basin of size 340x410x265mm with 5 liters PVC automatic flushing cistern C.I./M.S. brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fitting and brackets cutting and making good the wall and floor wherever required including cost of materials, labour complete as per specifications. Specification No. KBS 11. **Page No. 75 / Item No. 12.11 PWD SR -2014-15**	Unit							
			4				**4.00**	2888.50	**11554.00**
	Basic Rate	2725.00							
	Area Weightage @ 6%	163.50							
	Total	**2888.50**							
32	KSRB 11-7.2 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm with 5 liters PVC automatic flushing cistern C.I./M.S. brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps complete painting of fitting and brackets cutting and making good the wall and floor wherever required including cost of materials, labour complete as per specifications. Specification No. KBS 11. **Page No. 75 / Item No. 12.8 PWD SR 2014-15**	Unit							
			4				**4.00**	4177.46	**16710.00**
	Basic Rate	3941.00							
	Area Weightage @ 6%	236.46							
	Total	**4177.46**							
33	KSRB 11.11.1 : Providing and fixing white vitreous china clay, flat back wash basin of size 630x450mm with pair of 15mm C.P brass pillar taps with C.I./M.S. brackets, 32mm C.P. brass waste of standard pattern, painting of fitting and brackets ,cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11. **Page No. 77 / Item No. 12.23 PWD SR 2014-15**	Unit							
			4				**4.00**	3871.12	**15484.00**
	Basic Rate	3652.00							
	Area Weightage @ 6%	219.12							
	Total	**3871.12**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
34	KSRB :13-8.3 : Providing and fixing to wall, ceiling and floor, low density poluethylene pipes kgs/sq.cm working pressure **32mm** outside diameter, compression type fittings, wall clips, making good the wall ceiling and floor cost of materials, labour charges HOM of equipments and testing exeluding cost of fittings,complete as per specifications Specification No KBS 13.2.15.1/ 13.9/(**P. 90 /I. 13.68) PWD SR 2014-15)**	Rmtr							
			1	50.00			**50.00**	152.39	**7620.00**
	Basic Rate	180.00							
	Area Weightage @ 6%	10.80							
	Total	**190.80**							
35	Supppying water storage tanks made of virgin polymer (LLDPE) with two layers outer black of blue and inner white layer of approved quality and make, conforming to ISI / ISO / SSI specifications, **No. 255 / Item No. 37.58 PWD SR 2014-15**	L							
			1	1000			**1000**	6.36	**6360.00**
	Basic Rate	6.00							
	Area Weightage @ 6%	0.36							
	Total	**6.36**							
36	KSRB 13-6.1.3 : Providing and fixing in position brass bib cock of approved quality 25 mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications. Specification NO. KBS 13.2.2 / 13.3, **Page No. 88 / Item No. 13.25 / PWD SR 2014-15**	Each							
			25				**25**	192.44	**4811.00**
	Basic Rate	268.00							
	Area Weightage @ 6%	16.08							
	Total	**284.08**							
37	KSRB 8.6-7: Providing and fixing in wall surface 4 kg/sq.cm H.D.P.E. rain down water pipes 90 mm outer dia approved make and brand with necessary specials like shoes bends and offsets fixed with iron clamps, walls plugs, screws, including cost of materials, labour, complete as per specifications. **Page No. 47 / Item No. 8.18 / PWD SR 2014-15**	m							
			6	3.00			**18.00**	449.44	**8090.00**
	Basic Rate	424.00							
	Area Weightage @ 6%	25.44							
	Total	**449.44**							
	PART - 3 ELECTRICAL AND FITTINGS								

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
38	**Groove Cutting :** Supplying ... dia 2mm/2.5mm thick heavy gauage PVC Conduit Pipe with bends metal junction boxes adhesive paste etc., and bracing U or J hooks and cement plastering up to the surface of the brick level and run with 18 SWG GI fish wire run through out the conduit wherever necessary **KPWD SR 2010-11 (P-2,I-3) 19/20 mm dia 2mm thick**	Mtrs							
			1	25.00			**25.00**	43.00	**1075.00**
	25 mm dia 2mm thick		1	20.00			**20.00**	53.00	**1060.00**
39	Supplying and flush mounting teak wooden box with out front plank made of not less than 12mm thick wood after due groove cutting necessary masonry patch work complete. **KPWD SR 2010-11 (P-3, I-6) 10"X7"X3" (300X228X76mm)**	Each							
			2				**2**	68.00	**136.00**
	8"X6"X3" (300X228X76mm)		3				**3**	52.00	**156.00**
40	Supplying and fixing PVC/metal conduit accessories special type Junction Box **(I. 5/P. 3) KPWD SR 2010-11 32 mm Junction Box**	Each							
			3				**3**	29.00	**87.00**
	Deep 32 mm Junction Box		2				**2**	33.00	**66.00**
	Fan Box 18 /SWG		5				**5**	57.00	**285.00**
41	Point Wiring using copper wire with switch Supplying and wiring adopting loop system in existing PVC Conduit / casing caping using Copper PVC insulated multi strand 2x1.5 Sqmm copper wire with a 6 Amps flush type SP control switch shall be fixed on the existing plastic sheet gang box the other end of the wires shall be terminated with sufficient loose length in a wood PVC round block complete for each outlet **KPWD SR 2010-11 (P.3/I.8) Point Wiring using Class A Materials a) Short point upto 3Mtr from tapping point to out let via switch**	Each							
			5				**5.00**	175.00	**875.00**
	b) Medium point above 3mtr upto 6mtr from tapping point to out let via switch		2				**2.00**	260.00	**520.00**
	C) Long point above 6mtrs upto 10mtrs from tapping point to outlet via switch		3				**3.00**	368.00	**1104.00**
42	Supplying and fixing superior quality modula switch mounting polyorbonate plate with cecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **KPWD (P-7, I-17) 2010-11 1 to 3 Modular**	Each							
			2				**2**	82.00	**164.00**
	4 Modular		4				**4**	100.00	**400.00**
	6 Modular		2				**2**	125.00	**250.00**
43	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate **KPWD SR 2010-11 (P.8/I.18) 6Amps one way.**	Each							
			10				**10**	96.00	**960.00**
	6Amps 3way Socket.		5				**5**	165.00	**825.00**
	16 Amps one way switch		1				**1**	132.00	**132.00**
	6/16 Amps univesla Socket		2				**2**	205.00	**410.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
44	Wiring for lighting power curcuit using one of PVC insluated 1100v grade multistrand copper conductor single core cable in open or concealed system of wiring **P-9, i-20 KPWD SR 2010-11 1.5 Sqmm**	Mtrs							
			25				**25**	150.00	**3750.00**
	2.5 Sqmm		50				**50**	25.00	**1250.00**
45	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps **KPWD SR 2010-11 (P-13, I.2)**	No							
			6				**6**	60.00	**360.00**
46	Extra for supplying 4mm thick white plastic plate and convering for juncrtion boxese or size 80mm conduit using necessary machine screws **KPWD SR 2010-11 (P-10, I-26) 8mm**	No							
			2				**2**	6.48	**13.00**
47	Supplying 4mm thick plastic sheet with necessary nitches for fixing switches regulatoirs etc and fixing on existing wooden or metal box using NF screws **KPWD SR 2010-11 (P-11, I-29)**	Sqcm							
			2500				**2500**	0.22	**550.00**
48	Supply patty type fluorescent tube light fitting of 4' - 36/40 watts fluorescent tube fitting, made out of M.S. Sheet and stove enameled with low loss open construction copper wound ferromagnetic ballast, starter, locking, locking type brass contact holder mounted on double fold type sheet base fully wired for used on 230 Volts A C Supply including fluouresecent tube **KPWD SR 2010-11 (P.16/I.2) Group 'A'**	Each							
			3				**3**	675.00	**2025.00**
49	Supplying of Incandescent lamps KPWD SR **2010-11 (P.44/I.22) B.C. 100Watts**								
			3				**3**	14.00	**42.00**
50	Supplying capacitor type ceiling fan complete with down rod blades, shackle, canopies etc., for operation on 230 volts, 50 cycles. Single phase AC supply conforming to ISS-374-1979 and with double ball bearing system KPWD SR 2007-08 (P-23, I-23) Regulator Model (Khaitan, Crompton Geaves, Orient, Polar, Bajaj, Usha, Havells, Almonard **(p.23 / I.23 .II) KPWD SR 2010-11 Regular Model**	Each							
			1				**1**	1800.00	**1800.00**
51	Supplying and fixing superior quality modula switch mounting polyorbonate plate with ncecessary supporting back plate with required nos. of machines screwes, bolts nuts etc., complete on the existing metal/PVC box **KPWD SR 2010-11 (P-7, I-17) 1 to 3 Modular**	Each							
			2				**2**	82.00	**164.00**
	8 Modular		2				**2**	175.00	**350.00**
52	Supplying and fixing of modular switch / socket/Stepped electrical fan regulator / dimmer / telephone socket etc on existing modular switch plate KPWD SR 2010-11 (P.8/I.18) 6Amps one way.	Each							
			2				**2**	96.00	**192.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	6Amps 3way Socket.		1				1	165.00	**165.00**
53	Supplying and fixing 32Amps security and energy savings DP switch with key tag suitable to operate on 230 Volts 50Hz AC supply & completely wired on existing box **KPWD SR 2010-11 (P.9/I.19) Group A**	Each							
			1				1	630.00	**630.00**
54	Supplying an fixing one of 230 volts PBBC bakelite staight or slant batten holder and wiring with in 60w/230 Volts lamps **KPWD SR 2010-11 (P-13, I.2)**	No							
			1				1	60.00	**60.00**
55	Supplying and fixing miniature circuit breakers on existing MCB distribution boards using necessary fixing materials and wiring complete as required **5-32 Amps SP KPWD SR 2010-11 (P.34/I.13)**	Each							
			1				1	560.00	**560.00**
56	Supply and fixing polished wood board made of not less than 15mm thick plank on both sides with planks made out of not more than 2 pieces and fixing the same to the wall using tapered inverted wooden plugs screws etc **KPWD SR 2010-11 (P,32/I.2) 20"x20"x2.5"**	Each							
			1				1	285.00	**285.00**
57	Supplying and fixing of porcelain fuse channel with cut out on existing wooden /panel using necessary nuts, bolts and washers etc complete **KPWD SR 2010-11 (P.30/I.3) 32 Amps**	Each							
			1				1	100.00	**100.00**
58	Supplying of LTUG cable having aluminium condutor PVC insulated shethed, galvnised steel, wire / steel tap armoured cable with PVC outer sheathing 1.1 KV class.**P No. 68/ I No. 4(d) 4 core 16 Sqmm KPWD Electrical SR 2010-11**	Mtr							
			1	50.00			**50.00**	215.00	**10750.00**
59	Labour charges for laying of 1.1 K.V class UG cable (PWD Electrical SR-1999-2000, **P No. 69 / I No. Ia In existing trencg/duct 6Sqmm to 16 Sqmm) KPWD Electrical SR 2010-11**	Mtr							
			1	50.00			**50.00**	11.00	**550.00**
60	Digging or trenching of 0.6m deep x 0.5 mtr wide refilling the trench to the required ground level and consolidating etc., complete (as per Civil SR KSRB **1-2 P-7) P No. 70/ I. No. 6-c KPWD Electrical SR 2010-11 For Cutting Road Surface**	Mtr							
			1	45.00			**45.00**	40.00	**1800.00**
61	Supplying and fixing of Class A (meaium duty) GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arrangements for UG cable of 1.1 KV class **P. No. 70/ I No.9-A KPWD Electrical SR 2010-11 40mm dia GI pipe**	Mtr							
			1	10.00			**10.00**	240.00	**2400.00**

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
62	Supplying and fixing L.T. cast Iron pot head suitable for 1.1 KV class UG cable filled with necessary bituumen/insulating compound complete with terminals, clamps, bolts, nuts and washers etc., **P. No. 70/ I No. 10-b KPWD Electrical SR 2010-11 16Sqmm**	No.							
			1				1.00	286.00	286.00
63	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C cutouts and other equipments on the meter board using 40 mm dia 2.90 mm thick GI pipe 2.5 m long buried in a pit. The pit should be filled with equal propotion of solt and charocoal 150 mm alround the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size, as per ISI specification 7.3.3 IS 732 using 12 mm dia bolts, nuts, washers and check nuts, etc., the pipe shall have 16 throught holes of 122 mm dia, (PWD Electrical SR-1999-2000, **(P No.68, I No. 1) KPWD Electrical SR 2010-11**	No							
			1				1	3000.00	3000.00
64	1HP Submercible centrifugal force pump of approved make with all necessary fittings including wiring switch board, starter etc., and Electronic Automatic Equipment (Programmable Logic Control)	LRQ							
			1				1.00	18000.00	18000.00
65	Sub Total								1469160.00
66	Third Party Inspection Charges @ 1%								14692.00
67	BESCOM Deposit Charges	L/S	15000						15000.00
68	Miscesalaneous Charges								1148.00
								Total	1500000.00

(Rupees Fifteen Lakhs Only)

CERTIFICATE

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2014-15.
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

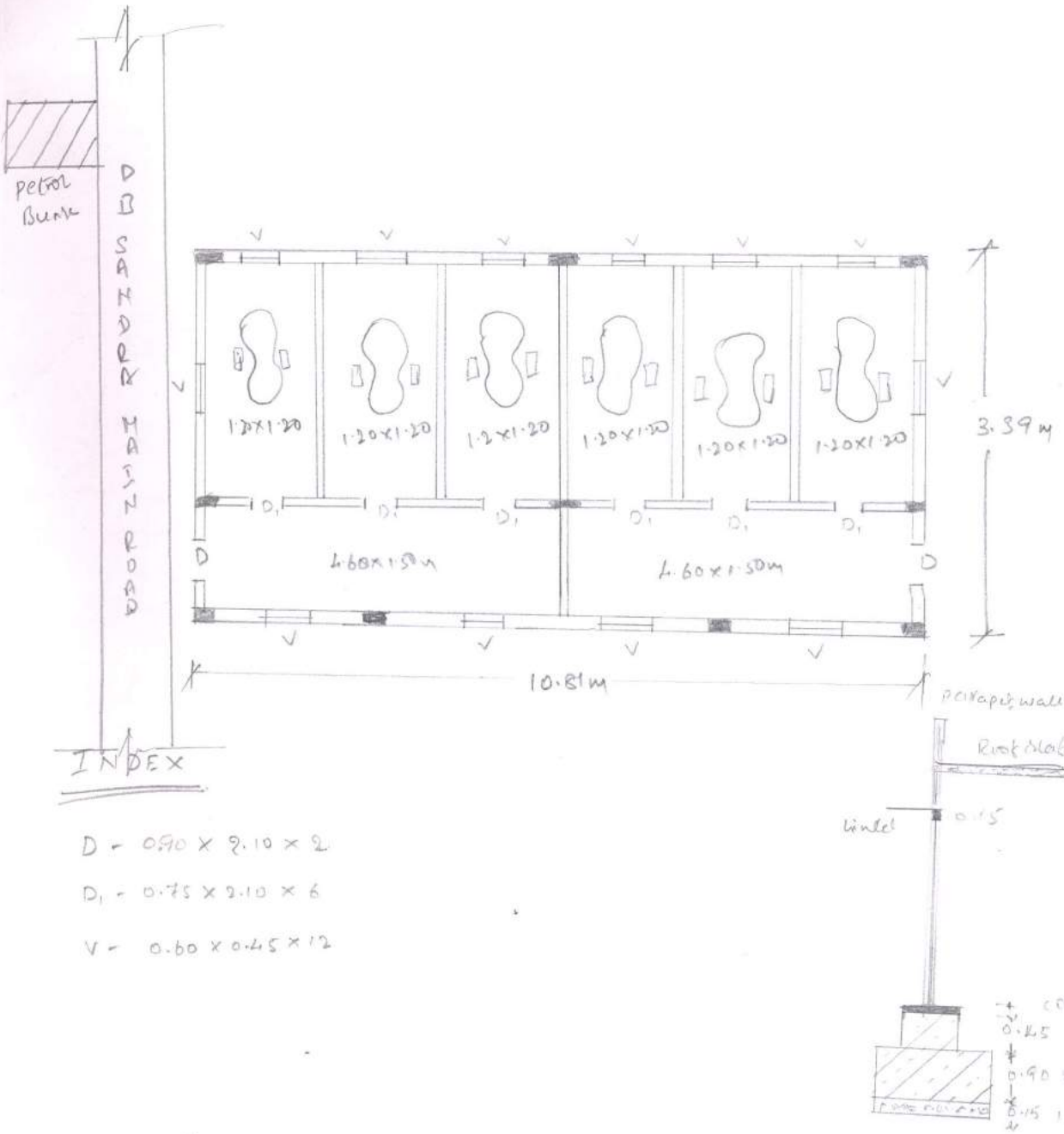
Assistant Engineer

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Vidyaranyapura Sub Division

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division

Joint Commissioner
(Yelahanka Zone)
BBMP. Bengaluru-92

Construction of Toilet Blocks at Burial Ground opp Reliance Fresh and Demolision of old school Building at Ramachandrapura in Ward No. 10 (Doddabommasandra), Vidyaranyapura Sub Division.



INDEX

D - 0.90 × 2.10 × 2

D_1 - 0.75 × 2.10 × 6

V - 0.60 × 0.45 × 12

Sadhu
AE

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ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಯಲಹಂಕ ವಲಯ,
ಬೃ. ಬೆಂ. ಮ. ಪಾ., ಬೆಂಗಳೂರು-97